Online Status

21-August-98
Upgrade General Meeting
Stu Fuess

- ***Activities***

- ***Decisions***

- ***People***

- ***Problems***

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- ## *Activities*

  - **Finally making progress in the task-to-task communication layer (thanks to CompDiv). Prototype version in a couple of weeks.**

  - **Slow but steady progress with Controls functions - e.g. can now do EPICS 1553 device control**

  - **Prototype COOR, Data Logger; starting to integrate the event path pieces**

  - **Continued support of DART-based DAQ for test stands; migrating/merging with full Run II configuration**

  - **Beginning installation of ORACLE db**

  - **Making more hardware purchases, should soon be able to demonstrate**
    - *host clustering (failover)*
    - *Gigabit Ethernet network*
    - *Disk I/O rates*

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- ## *Decisions*

  - ### Will scrap the Shea/Goodwin Token Ring systems
    - *Replace with EPICS processors*
    - *Reproduce functionality of 1553, Vertical Interconnect, High Voltage*
    - *Must deal with the 'specialized' front end applications: LigAr monitoring*
    - *But leaves us with 1 system to support instead of 2*

  - ### Will focus detector support efforts on integration issues
    - *Hardware device control and monitoring*
    - *Control path or event path readout*
    - *Data logger, EXAMINE development*

      - **Target the systems in DAB: Muon and Calorimeter**

      - **Limit Online group efforts with other detector test stands**

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- ## *People*

    + **Paul Slattery now co-head of Online group**

    + **(Soon to be) offers to 2 physicists for Fermilab positions in the Online group**

    ? **Detector group people starting to volunteer - but are we ready to effectively use them?**

    - **Still some major needs:**
        - *System engineer / manager*
        - *Event monitoring framework*
        - *DAQ monitoring framework*
        - *Accelerator interface*
        - *Lots of pieces of Controls System:*
            - **Alarms system**
            - **HV GUI interface**
            - **Detector-specific GUIs**

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- ## *Problems*

  - **People for the infrastructure jobs**
  - **Trying for a complete rework of schedule, concentrating on defining integration milestones and contributing tasks**

- ## *Summary:*

  Making the transition from development of independent components to integrated systems; will use/need detector efforts to drive software progress.